Title (en)

Plug and socket electrical connector system

Title (de)

Elektrisches Steckverbindungssystem

Title (fr)

Système de connecteur électrique à fiche et prise

Publication

EP 0600120 B1 19970312 (EN)

Application

EP 92120544 A 19921202

Priority

- EP 92120544 A 19921202
- SG 1996003387 A 19921202

Abstract (en)

[origin: EP0600120A1] A shielded plug and socket electrical connector system is provided for interconnecting a plurality of shielded electrical cables (46) with a printed circuit board (24). A plurality of plug connectors (56) each include a dielectric housing (70) adapted for mounting a plurality of terminals terminated to conductors (78) of a shielded cable (80), along with a two-part shielding hood (66,68) configured for substantially enclosing the housing. Each plug connector (56) includes a stamped and formed metal grounding contact (72) fitted within one part (66) of the two-part shielding hood. The grounding contact includes a first portion (122) adapted for conductively engaging a shield (82) of the cable and a second portion (124) exposed exteriorly of the hood. A socket connector (48) is adapted for mounting to the printed circuit board (24) and includes an elongated dielectric housing (140) defining a plurality of receptacles (52) for receiving a plurality of the plug connectors (56). The socket connector includes a stamped and formed metal grounding bar (142) extending lengthwise of the housing and including at least one first portion (154) adapted for conductive connection to a grounding trace on the printed circuit board (24). The grounding bar (142) includes a plurality of second portions (160) exposed at the receptacles of the socket connector for respectively engaging the second portions (124) of the grounding contacts (72) of the plug connectors when received in the receptacles of the socket connector. <IMAGE>

IPC 1-7

H01R 23/68; H01R 13/658; H01R 13/64

IPC 8 full level

H01R 13/648 (2006.01); **H01R 13/42** (2006.01); **H01R 13/64** (2006.01); **H01R 13/652** (2006.01); **H01R 13/658** (2011.01); **H01R 24/00** (2006.01)

CPC (source: EP KR US)

H01R 12/75 (2013.01 - KR); **H01R 13/64** (2013.01 - EP US); **H01R 13/6583** (2013.01 - EP US); **H01R 13/6593** (2013.01 - EP US); **H01R 24/62** (2013.01 - KR); H01R 12/724 (2013.01 - EP US)

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EP1193805A1; CN106463858A; CN104347974A; EP0736936A3; SG93187A1; CN100380746C; EP0907221A3; CN114223101A; US6746265B2; WO0243193A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0600120 A1 19940608; **EP 0600120 B1 19970312**; DE 69218223 D1 19970417; DE 69218223 T2 19970626; JP 2602473 B2 19970423; JP H07312262 A 19951128; KR 940017005 A 19940725; KR 970004219 B1 19970326; SG 43082 A1 19971017; US 5417590 A 19950523

DOCDB simple family (application)

EP 92120544 A 19921202; DE 69218223 T 19921202; JP 32322393 A 19931129; KR 930026020 A 19931201; SG 1996003387 A 19921202; US 14848793 A 19931108